Review articles
An integrative and functional framework for the study of animal emotion and mood
M. Mendl, O. H. P. Burman & E. S. Paul

Commentaries
Affective consciousness in animals: perspectives on dimensional and primary process emotion approaches
J. Panksepp

Comments and invited replies
On the number of sons born and shorter lifespan in historical Sami mothers
S. Helle, V. Liummaa & J. Jokela
Reply to Helle et al.
D. A. Casini, E. Lindqvist & B. Wallace

Research articles
Intraspecific genetic variation and competition interact to influence niche expansion
D. Agashe & D. I. Bolnick

Host–symbiont recombination versus natural selection in the response of coral–dinoflagellate symbioses to environmental disturbance

Atypical gaze patterns in children and adults with autism spectrum disorders dissociated from developmental changes in gaze behaviour

Viability selection prior to trait expression is an essential component of natural selection
J. P. Molica & J. K. Kelly

Quantitative measures of sexual selection reveal no evidence for sex-role reversal in a sea spider with prolonged paternal care
F. S. Barreto & J. C. Avise

Floral colour versus phylogeny in structuring subalpine flowering communities
J. R. McEwen & J. C. Vamosi

The argonaut shell: gas-mediated buoyancy control in a pelagic octopus
J. K. Finn & M. D. Norman

The Thatcher illusion in humans and monkeys
C. O. Dahl, N. K. Logothetis, H. H. Bülthoff & C. Walmraven

Testing the heterospecific attraction hypothesis with time-series data on species co-occurrence

Signal diffusion and the mitigation of social exploitation in pneumococcal competence signalling
J. Jerg, B. A. Evans & D. E. Rosén

Evidence for competition between carnivorous plants and spiders

Male-specific (Z)-9-tricosene stimulates female mating behaviour in the spider Pholcus beijingensis
Y.-H. Xiao, J.-X. Zhang & S.-Q. Li

Upside-down spiders build upside-down orb webs: web asymmetry, spider orientation and running speed in Cyclosa
K. Nakata & S. Zschokke

Contest outcome in a territorial butterfly: the role of motivation
M. Bergman, M. Olhoft & C. Wiklund

Less is more: density influences the development of behavioural life skills in trout
S. Brockmark, B. Adriaenssens & J. J. Johnsson

Experimental evidence for limited vocal recognition in a wild primate: implications for the social complexity hypothesis
T. J. Bergman